

Amendments to the Claims:

1-19. (cancelled)

20. (currently amended) Apparatus for cleaning ~~fluids~~ oil, said apparatus comprising:

an inlet ~~for fluid~~ connectable to a source of oil to be cleaned,

a holding tank for oil,

a heating unit for heating said ~~fluid~~ oil,

a first pump connectable to said inlet or said holding tank for pumping oil to said heating unit,

a self powered centrifugal cleaner, said centrifugal cleaner having a rotor mounted for rotation about a rotation axis, a housing enclosing the rotor, a cleaner inlet connected to said heating unit for receiving oil from said heating unit and at least one rotor nozzle on the rotor whereby oil exiting in use through said at least one nozzle causes rotation of said rotor about said rotation axis, and a rotatable impeller positioned below the rotor to exert pressure on the oil in said cleaner,

a vacuum dehydration unit connected to said centrifugal cleaner for receiving oil from said centrifugal cleaner, said dehydration unit comprising a vacuum chamber, and means for connecting said vacuum chamber to a vacuum source for removal of moisture from oil in said vacuum chamber,

a second pump connected to said vacuum chamber for pumping oil from said vacuum chamber,

a holding tank,

~~a fluid~~ an oil outlet, and

first connecting means for selectively connecting said vacuum chamber either to said outlet for supply of cleaned oil to said outlet or to said holding tank for supply of oil to said holding tank for recirculation back through said apparatus.

~~and means for conveying fluid from said inlet selectively through said heating unit, said centrifugal cleaner, and/or said vacuum dehydration unit and to said outlet or said holding tank.~~

21. (currently amended) Apparatus as claimed in claim 20 ~~wherein said means for conveying fluid comprises a first pump and first connecting means for~~ and including second connecting means for selectively ~~respectively~~ connecting said first pump to either said inlet or said holding tank.

22. (currently amended) Apparatus as claimed in claim 21 wherein said first and second connecting means comprise ~~includes~~ selectively actuatable outlet and inlet ~~valve means~~ valves respectively.

23. (canceled)

24. (currently amended) Apparatus as claimed in claim 20 wherein said centrifugal cleaner comprises a base, a hollow spindle extending from said base along said axis of rotation and connected to said cleaner inlet for supply of oil to the interior of said housing, said rotor being mounted on a substantially vertical axis ~~said spindle~~ for rotation ~~thereabout~~ relative to said base, at least one rotor nozzle in a lower portion of the rotor, and a said housing being mounted on the base ~~and enclosing the rotor~~.

25. (canceled)

26. (currently amended) Apparatus as claimed in claim ~~25~~ 20 wherein said impeller comprise a central hub mounted for rotation ~~on the central~~ about said axis ~~around which of rotation of~~ said rotor is ~~rotatable~~, said hub having at least one blade extending therefrom.

27. (currently amended) Apparatus as claimed in claim ~~26~~ 20 wherein said impeller is attached to said rotor for rotation therewith.

28. (currently amended) Apparatus as claimed in claim ~~26~~ 20 wherein said impeller is independent of said rotor.

29. (currently amended) Apparatus as claimed claims 20 wherein said centrifugal cleaner comprises a base having a drain sump formed therein, a said rotor having an interior and an

exterior ~~mounted on a~~ and wherein said axis of rotation comprises a substantially vertical axis for ~~revolution~~ rotation of said rotor thereabout, said at least one rotor nozzle being in a lower portion of the rotor, the rotor having side walls arranged to retain solid contaminants contained in the ~~fluid~~ oil which are forced outwardly by rapid rotation of the rotor due to reaction to ejection of the fluid to a said drain sump through the at least one rotor ~~nozzles~~ nozzle, a said housing mounted on the base ~~and enclosing the rotor, a drain sump formed in the base below the rotor,~~ a fluid inlet passage arranged to supply fluid at an elevated pressure to the interior of the rotor by way of the rotation axis, at least one fluid drain passage in the base to receive fluid from the drain sump and an impeller positioned below the rotor adjacent the base to exert pressure on the fluid.

30. (currently amended) Apparatus as claims in claim 20 wherein said ~~vacuum dehydration unit comprises a~~ vacuum chamber ~~having~~ has a base, an inlet in an upper portion of the vacuum chamber for fluid entry, and ~~means for generating a vacuum in said vacuum chamber~~ a water trap connected to said chamber for collecting water from said chamber.

31. (currently amended) Apparatus as claimed in claim 30 and including ~~a fluid~~ an oil discharge passage in a lower portion of the vacuum chamber and extending a distance above the base of the chamber to maintain a depth of ~~fluid~~ oil in said vacuum chamber.

32. (canceled)

33. (currently amended) Apparatus as claimed in claim ~~30~~ 20 wherein said centrifugal cleaner includes an outlet, said outlet extending into said vacuum chamber.

34. (currently amended) Apparatus as claimed in claim 30 wherein said vacuum chamber includes at least one condensation tray ~~or other means~~ in an upper portion of said chamber to increase the surface area of oil exposed to the vacuum, said condensation tray being inclined downwardly towards the connection of said vacuum source to said vacuum chamber.

35 - 36. (canceled)

37. (previously presented) Apparatus as claimed in claim 20 and including a mobile chassis and wherein said heating unit, centrifugal cleaner, vacuum dehydration unit, and holding tank are supported on said chassis.

38. (currently amended) Apparatus for cleaning oil, said apparatus comprising:

a heating unit for heating oil,

a centrifugal cleaner connected to said heating unit for receiving heated oil from said heating unit, said centrifugal cleaner having a rotor mounted for rotation about a rotation axis, a housing enclosing the rotor, a cleaner inlet for receiving oil from said heating unit, and at least one rotor nozzle on said rotor, said rotor nozzle upon exit of oil therefrom causing rotation of said rotor about said rotation axis, and a rotatable impeller positioned below the rotor to exert pressure on the oil in said cleaner,

a vacuum dehydration unit connected to said centrifugal cleaner for receiving oil from said ~~dehydration unit~~ centrifugal cleaner,

an oil holding tank,

an inlet for oil to be cleaned,

a first control valve selectively actuatable to connect ~~said inlet to~~ said heating unit to one of said inlet or to said holding tank whereby oil to be cleaned can be supplied from said inlet to said heating unit or from said holding unit to said heating unit,

an outlet for cleaned oil,

a second control valve selectively actuatable to connect said dehydration unit to one of said outlet ~~or said dehydration unit to and or~~ said holding tank to supply oil to said outlet or said holding tank respectively, and

one or more pumps for conveying oil from said inlet or holding tank through said heating unit, said centrifugal cleaner and said dehydration unit to said outlet or back to said holding tank.

39. (canceled)

40. (new) Apparatus for cleaning contaminated oil, said apparatus comprising:

an inlet connectable to a source of oil to be cleaned,

a holding tank for oil,

a heater for heating said oil,
a first pump for pumping oil through said heater,
a centrifugal cleaner having a rotor mounted for rotation about a rotation axis, a housing enclosing the rotor, and a cleaner inlet for receiving oil from said heater,
an impeller attached to said rotor for rotation therewith to exert, when rotated with said rotor, pressure on oil in the cleaner,
a vacuum dehydration unit connected to said centrifugal cleaner for receiving oil from said centrifugal cleaner, said dehydration unit comprising a vacuum chamber, and means for connecting said vacuum chamber to a vacuum source for removal of moisture from said vacuum chamber,
a second pump connected to said vacuum chamber,
a holding tank,
an oil outlet,
a selectively actuatable outlet valve connected to said second pump and connectable to said holding tank or said oil outlet for pumping of oil to said oil outlet or said holding tank respectively, and
a selectively actuatable inlet valve connected to said first pump and connectable to said holding tank or said inlet for pumping oil to be cleaned from said holding tank or said inlet respectively.

41. (new) Apparatus as claimed in claim 40 wherein said centrifugal cleaner comprises a base, a hollow spindle extending from said base along said axis of rotation and connected to said cleaner inlet for supply of oil to the interior of said cleaner, said rotor being mounted on said spindle for rotation relative to said base, said housing being mounted on the base and enclosing the rotor, and at least one rotor nozzle on the rotor, wherein oil exiting in use through said at least one nozzle causes rotation of said rotor about said rotation axis.

42. (new) Apparatus as claimed in claim 41 wherein said rotor the rotor has side walls adapted to retain solid contaminants contained in the oil which are forced outwardly by rotation of the rotor.

43. (new) Apparatus as claimed in claim 42 wherein said vacuum chamber least one condensation tray in an upper portion of said chamber to increase the surface area of oil exposed to the vacuum, said condensation tray being inclined downwardly towards the connection of said vacuum source to said vacuum chamber.

44. (new) Apparatus as claimed in claim 43 and including and a water trap connected to said chamber for collecting water condensing within said chamber.